

AMENDMENTS TO THE SPECIFICATION

Please insert the following headings and paragraph at page 1, after the title:

PRIORITY CLAIM

This is a U.S. national stage of International Application No. PCT/EP2003/07129, filed on June 12, 2003. Priority is claimed on that application and on the following application:

Country: France, Application No. 02/07295, Filed: June 13, 2002.

BACKGROUND OF THE INVENTION

Please insert the following heading at page 1, between lines 16 and 17:

SUMMARY OF THE INVENTION

Please replace the paragraph beginning at page 1, line 22 to page 2, line 2, with the following rewritten paragraph:

In order to do this, the device according to the invention, moreover complying with the generic definition given in the above preamble, is essentially ~~characterised~~ characterized in that the communication network links the peripheral devices to the controller by electromagnetic means, ~~and in that the~~. The peripheral devices are supplied with electrical energy through the intermediary of the communication network.

Please replace the paragraph beginning at page 2, line 8 to page 2, line 20, with the following rewritten paragraph:

The device according to the invention can be adapted to ~~localised~~ localized remote status readings by ensuring that each peripheral device has an identification code of its own, that the controller has a configuration memory in which, for each peripheral device, the identification

code of this peripheral device and a ~~localisation~~ localization parameter are stored correlatively, identifying the location of this peripheral device in the network, and that, for each peripheral device, the controller reads the instantaneous status of this peripheral device and its identification code, as a result of which each instantaneous status reading is correlated by the controller with a location on the network.

Please replace the paragraph beginning at page 2, line 21 to page 2, line 29, with the following rewritten paragraph:

Whatsoever the intended application, each peripheral device can include, apart from a transmitter-receiver circuit, at least one status encoder adopting an instantaneous status constituting or participating in building up the instantaneous status of this peripheral device, ~~this.~~ The status encoder ~~[[being]]~~ is linked to the transmitter-receiver circuit to enable ~~[[this]]~~ the peripheral device to transmit the instantaneous status of the encoder to the controller.

Please replace the paragraph beginning at page 2, line 30 to page 3, line 9, with the following rewritten paragraph:

In a possible embodiment of the invention, each peripheral device comprises an electronic tag provided with a memory containing the identification code attributed to this peripheral device, a local antenna coupled to an induction loop of the communication network to receive the electrical energy transmitted by this induction loop, and from the transmitter-receiver circuit; ~~this.~~ The transmitter-receiver circuit ~~[[being]]~~ is linked to the local antenna at least to receive a transmission order from the controller and for transmitting to the controller, apart from the instantaneous status of the encoder, the identification code of this tag.

Please replace the paragraph beginning at page 3, line 16 to page 3, line 22, with the following rewritten paragraph:

By proposing the use of such tags to obtain remote status readings spread over different locations, the invention thus proposes extending the widespread and proven technique of identification by radio-frequency, or RFTD (Radio Frequency Identification) to ~~localisation~~ localization in space, thus avoiding the inherent complexities of addressing techniques.

Please replace the paragraph beginning at page 4, line 6 to page 4, line 9, with the following rewritten paragraph:

When it is adapted to ~~localised~~ localized remote status readings, this device is applicable to management of remote calls, each peripheral device forming a calling terminal.

Please replace the paragraph beginning at page 4, line 10 to page 4, line 13, with the following rewritten paragraph:

In particular, each peripheral device can be installed at a specific location, such as a floor of a building, and form a calling terminal for a means of transport, such as ~~a lift~~ an elevator.

Please replace the paragraph beginning at page 4, line 20 to page 4, line 22, with the following rewritten paragraph:

For example, a user of ~~a lift~~ an elevator can not only call the ~~latter~~ elevator to the floor where the user is situated but can, besides this, indicate which floor he wishes to go to.

Please insert the following heading at page 4, between lines 22 and 23:

BRIEF DESCRIPTION OF THE DRAWINGS

Please replace the paragraph beginning at page 4, line 23 to page 5, line 8, with the following rewritten paragraph:

Other characteristics and advantages of the invention will become clear from the description given below, as an indicative and in no way limiting example, with reference to the attached drawings, in which:

- figure 1 is a diagrammatic view of a peripheral device applied in a device according to the invention, and using an electronic tag as principal component;
- figure 2 is a diagrammatic view of a central controller able to co-operate with the peripheral device of figure 1 in a device according to the invention;
- figure 3 is an overall diagrammatic view of a device according to the invention;
- figure 4 is a diagrammatic view in transparent perspective of a building equipped with a lift an elevator managed by a device according to the invention[[,]]; and
- figure 5 is a cross-section of the same building, seen following the incidence defined by the arrows V-V of figure 4.

Please insert the following heading at page 5, between lines 8 and 9:

DETAILED DESCRIPTION OF THE INVENTION

Please replace the paragraph beginning at page 6, line 10 to page 6, line 18, with the following rewritten paragraph:

Moreover, each peripheral device 31, 32 or 33 is provided with a status encoder 61, 62 or 63, and a transmitter-receiver circuit 421, 422 or 423, ~~the~~ The status encoder 61, 62 or 63 [[being]] is able to produce the instantaneous status STAT_1, STAT_2 or STAT_3 of [[this]] the associated peripheral device, and [[being]] is linked to the transmitter-receiver circuit 421, 422 or 423 of [[this]] the associated peripheral device to allow it to transmit [[this]] the instantaneous status STAT_1, STAT_2 or STAT_3 to the controller 2.

Please replace the paragraph beginning at page 6, line 24 to page 6, line 29, with the following rewritten paragraph:

In an advanced embodiment of the device according to the invention, allowing ~~localised~~ localized remote reading of statuses, each of the peripheral devices such as 31 to 33 furthermore possesses its own identification code, called KID_1, KID_2 or KID_3 respectively, for the different peripheral devices 31 to 33.

Please replace the paragraph beginning at page 7, line 1 to page 7, line 6, with the following rewritten paragraph:

An electronic tag is typically provided with a memory such as 411, a local antenna such as 401, and a transmitter-receiver circuit such as 421, ~~the latter~~. The circuit 421 in this case ~~[[being]]~~ is capable of constituting the transmitter-receiver circuit mentioned above of the peripheral device equipped with this tag.

Please replace the paragraph beginning at page 7, line 7 to page 7, line 10, with the following rewritten paragraph:

The tags of the different peripheral devices 31, 32 and 33 thus comprise, respectively, (fig. 3), memories 411, 412 and 413, ~~[[for]]~~ local antennae 401, 402 and 403, and transmitter-receiver circuits 421, 422 and 423.

Please replace the paragraph beginning at page 7, line 14 to page 7, line 17, with the following rewritten paragraph:

Each local antenna 401, 402 or 403 is coupled to one of the induction loops 11, 12 or 13 of the communication network 1 to receive the electrical energy transmitted by ~~[[this]]~~ the induction loop.

Please replace the paragraph beginning at page 7, line 29 to page 8, line 2, with the following rewritten paragraph:

Figures 1 and 3 show an embodiment in which each status encoder comprises two appropriate elements formed by electrical contacts activated manually by a user, that is: contacts 611 and 612 for the status encoder 61[,]; contacts 621 and 622 for the status encoder 62[,]; and contacts 631, 632 for the status encoder 63.

Please replace the paragraph beginning at page , line to page , line , with the following rewritten paragraph:

According to another aspect of the invention, essential in the case of a ~~localised~~ localized remote reading of statuses, the controller 2 is provided with a configuration memory 21 in which, for each peripheral device 31, 32 or 33, are stored the identification code KID_1, KID_2 or KID_3 of this peripheral device, and a localisation parameter such as LOC_1, LOC_2 or LOC_3, that identifies the location of this peripheral device in the network 1, the localisation parameter of each peripheral device being correlated, meaning associated, with the identification code of this same peripheral device.

Please replace the paragraph beginning at page 8, line 28 to page 9, line 3, with the following rewritten paragraph:

As those skilled in the art will easily understand from reading the present description, the association, in the configuration memory 21 of the controller 2, of the ~~localisation~~ localization parameter of each peripheral device with the identification code of this same peripheral device, can be produced by implementing known means, during an installation phase of the device according to the invention.

Please replace the paragraph beginning at page 9, line 16 to page 9, line 17, with the following rewritten paragraph:

Figures 3 to 5 show an application of the device according to the invention for management of ~~a lift~~ an elevator.

Please replace the paragraph beginning at page 9, line 18 to page 9, line 23, with the following rewritten paragraph:

In this application, the communication network 1 to which the controller 2 is linked includes induction loops such as 11, 12 and 13, set in regular fashion on one side of the vertical partition CL that closes the front face of the ~~[[lift]]~~ elevator column, for example on the right-hand side of each ~~[[lift]]~~ elevator door, PT_1, PT_2, and PT_3.

Please replace the paragraph beginning at page 10, line 3 to page 10, line 13, with the following rewritten paragraph:

In this case, the ~~localisation~~ localization parameters, such as LOC_1, LOC_2 and LOC_3, stored in the configuration memory 21 of the controller 2 are representative of the different floors, the identification code KID_1 of the peripheral device 31 thus being associated with the ~~localisation~~ localization parameter ETG_1, representing the first floor where this peripheral device is installed, the identification code KID_2 of the peripheral device 32 being associated with the ~~localisation~~ localization parameter ETG_2, representing the second floor where this peripheral device is installed, etc.

Please replace the paragraph beginning at page 10, line 14 to page 10, line 22, with the following rewritten paragraph:

Besides the configuration memory 21, the controller 2 includes a transmitter-receiver circuit 22 in charge of ensuring electrical energy transmission and information transmission on the network 1, a processing unit 23 ensuring information processing as a whole in this controller and having a reading and writing access to the configuration memory 21, and an interface 24 piloted by the processing unit 23 and ensuring the link between the processing unit 23 and a command circuit 8 of the [[lift]] elevator.

Please replace the paragraph beginning at page 11, line 4 to page 11, line 7, with the following rewritten paragraph:

By reading its memory 21, the controller 2 will thus be informed that a user, situated on floor ETG_2, that is the second floor, has called the [[lift]] elevator and has, more precisely, indicated his wish to go up to an upper floor.

Please replace the paragraph beginning at page 11, line 8 to page 11, line 12, with the following rewritten paragraph:

This call can thus be transmitted, through the intermediary of the controller interface 24, to the command circuit 8 of the [[lift]] elevator, which will take over to send the most readily available [[lift]] elevator cabin to the second floor in order to reach an upper floor.

Please replace the paragraph beginning at page 11, line 13 to page 11, line 18, with the following rewritten paragraph:

It is evident that each of the peripheral devices could have a single button only, whose activation would then be taken into account just like a call for the [[lift]] elevator for any a priori destination, the user not indicating his destination until inside the [[lift]] elevator cabin, by activating the button of the floor required.

Please replace the paragraph beginning at page 12, line 3 to page 12, line 8, with the following rewritten paragraph:

This display element 71, 72 or 73 thus makes it possible to make available, at the position of each of the peripheral devices, information pertinent for the whole of these peripheral devices, such as the instantaneous movement instruction to the [[lift]] elevator cabin, or the floor number this cabin has reached.

Please replace the paragraph beginning at page 12, line 9 to page 12, line 14, with the following rewritten paragraph:

As those skilled in the art will have understood by reading the present description, the partition CL of the production mode shown ~~fulfils~~ fulfills the function of a support for the peripheral devices 31 to 33 and that of a dielectric separating the induction loops 11 to 13 of the antennae 401 to 403.